

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF : Mehmet Arik et al.  
FOR : **LED LIGHT WITH ACTIVE COOLING**  
SERIAL NO. : Unknown  
FILED : Herewith  
EXAMINER : Unknown  
ART UNIT : Unknown  
CONFIRMATION NO. : Unknown  
ATTORNEY DOCKET NO. : RD30892/130333

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

In accordance with 37 C.F.R. §§ 1.56, 1.97, 1.98 and MPEP § 609, applicant(s) submit(s) the following Disclosure Statement concerning art of which the applicant(s) is (are) aware. A copy of PTO-1449 is enclosed herewith.

This Information Disclosure Statement is not intended to constitute an admission that any patent, publication or other information referred to herein or submitted herewith is "prior art" for this invention unless specifically designated as such.

In accordance with the United States Patent and Trademark Office OG Notice dated 05 August 2003, waiving the requirement under 37 C.F.R. §1.98(a)(2)(i), for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003, Applicant(s) has not enclosed copies of the cited U.S. patents with this Disclosure.

In accordance with 37 C.F.R. §1.97(g) and (h), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(b) exists.

Under § 1.98(a)(3), no concise explanation of relevance is required for information that is in the English language. Accordingly, the enclosed require(s) no further explanation (or no translation is available).

Consideration of the appropriate paragraph(s) indicated below is respectfully requested:

☒ Under § 1.97(b)(1), this Information Disclosure Statement is being filed within three months of the filing date of the application. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308.

☐ Under § 1.97(b)(3), this Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308.

☐ Under § 1.97(e)(1), the undersigned certifies that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. Although it is believed no fee is necessary, any deficiency in fees should be charged to Deposit Account No. 06-0308.

☐ Under § 1.97(c)(2), this information shall be considered if filed before the mailing date of a final action if accompanied by a fee in the amount of \$180.00 as required by §1.17(p). Accordingly, the necessary fee accompanies this Information Disclosure Statement. Any overpayment or deficiency can be charged to Deposit Account No. 06-0308.


It is respectfully requested that the attached document(s) be considered and officially cited in examination of this application.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & McKEE, LLP

December 3, 2003

Date

  
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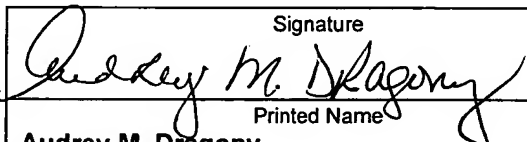
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CERTIFICATE OF MAILING

I certify that this Information Disclosure Statement and accompanying document(s) are being

- ☐ deposited with the United States Postal Service as First Class mail under 37 C.F.R. 1.8, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date indicated below.
- ☐ transmitted to facsimile number under 37 C.F.R. 1.8 on the date indicated below.
- ☒ deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated below and is addressed to: Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Date  
December 3, 2003

Signature 
Printed Name <b>Audrey M. Dragony</b>

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)</b> <i>(Use as many sheets as necessary)</i>	<b>Substitute for form 1449/PTO</b>		<b>COMPLETE IF KNOWN</b>	
	Application Number		Unknown	
	Filing Date		Herewith	
	First Named Inventor		Mehmet Arik et al.	
	Art Unit		Unknown	
	Examiner Name		Unknown	
Sheet 1 of 2		Attorney Docket No.		RD30892/130333

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	US-5,089,862	02/18/1992	Warner, Jr. et al.	
	AB	US-5,335,143	08/02/1994	Maling, Jr. et al.	
	AC	US-5,419,780	05/30/1995	Suski	
	AD	US-5,861,703	01/19/1999	Losinski	
	AE	US-5,921,757	07/13/1999	Tsutsui et al.	
	AF	US-6,008,126	12/28/1999	Leedy	
	AG	US-6,020,257	02/01/2000	Leedy	
	AH	US-2001/0030866A1	10/18/2001	Hochstein	
	AI	US-6,318,886	11/20/2001	Stopa et al.	
	AJ	US-6,440,212	08/27/2002	Hayes	
	AK	US-6,457,654	10/01/2002	Glezer et al.	
	AL	US-6,481,874	11/19/2002	Petroski	

### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Country Code-Number Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
	AM					
	AN					
	AO					
	AP					

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
	AQ	Jelena Vukasinovic and Ari Glezer, <u>Spot-Cooling by Confined, Impinging Synthetic Jet</u> , Proceedings of HT2003, ASME Summer Heat Transfer Conference, July 21-23, 2003, Las Vegas, Nevada, USA.	
	AR	Emil Venere, <u>Engineers create tiny, wiggling fans to cool future electronics</u> , Purdue News at <a href="http://news.uns.purdue.edu/UNS/html4ever/011213.Garimella.fans.html">http://news.uns.purdue.edu/UNS/html4ever/011213.Garimella.fans.html</a> .	
	AS		
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Examiner Signature		Date Considered	
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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)</b> <i>(Use as many sheets as necessary)</i>	<b>COMPLETE IF KNOWN</b>	
	Application Number	Unknown
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	First Named Inventor	Mehmet Arik et al.
	Art Unit	Unknown
	Examiner Name	Unknown
Sheet 2 of 2	Attorney Docket No.	RD30892/130333

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Examiner Initials*	Cite No.	Document No. Number-Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	BA	US-2003/0075615A1	04/24/2003	Saddoughi	
	BB	US-			
	BC	US-			
	BD	US-			
	BE	US-			
	BF	US-			
	BG	US-			
	BH	US-			
	BI	US-			
	BJ	US-			
	BK	US-			
	BL	US-			

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Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code-Number Kind Code (if known)				
	BM					
	BN					
	BO					
	BP					

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
	BQ			
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